

Title (en)

METHOD AND APPARATUS FOR USE IN ALLERGY TESTING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERWENDUNG BEI ALLERGIE TESTS

Title (fr)

PROCÉDÉ ET APPAREIL DESTINÉS À ÊTRE UTILISÉS DANS LES TESTS ALLERGIQUES

Publication

EP 3232910 A1 20171025 (EN)

Application

EP 15817109 A 20151210

Priority

- EP 14198854 A 20141218
- EP 2015079217 W 20151210

Abstract (en)

[origin: WO2016096591A1] There is provided a method for use in determining whether a subject is allergic to a substance. The method comprises: receiving a first set of spatially distributed light intensity values covering a skin region of the subject including a location at which the substance has been applied; wherein the light intensity values in the first set are intensities of visible light; receiving a second set of spatially distributed light intensity values covering the skin region, wherein the light intensity values in the second set are intensities of infrared, IR, light; generating a first spatial distribution of photoplethysmogram, PPG, pulse amplitudes based on the first set of light intensity values; generating a second spatial distribution of PPG pulse amplitudes based on the second set of light intensity values; comparing the first spatial distribution to the second spatial distribution, and to the location at which the substance has been applied; and outputting an indication of whether the subject is experiencing an allergic reaction to the substance based on the comparing.

IPC 8 full level

A61B 5/00 (2006.01)

CPC (source: CN EP US)

A61B 5/0059 (2013.01 - CN EP US); **A61B 5/02433** (2013.01 - US); **A61B 5/411** (2013.01 - CN EP US); **A61B 5/7282** (2013.01 - US); **A61B 10/0035** (2013.01 - EP US); **A61B 2090/3937** (2016.02 - US); **A61B 2562/0233** (2013.01 - US); **A61B 2576/00** (2013.01 - US)

Citation (search report)

See references of WO 2016096591A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016096591 A1 20160623; CN 106999057 A 20170801; EP 3232910 A1 20171025; JP 2018504174 A 20180215; JP 6596089 B2 20191023; US 2017347938 A1 20171207

DOCDB simple family (application)

EP 2015079217 W 20151210; CN 201580068806 A 20151210; EP 15817109 A 20151210; JP 2017532024 A 20151210; US 201515536670 A 20151210